

## **Analytical approach for nanomaterials characterization in the nanosafety context**

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Humans can be exposed to nanomaterials since they can be either created during industrial processes and used within products unintentionally or intentionally manufactured to ameliorate products characteristics.

To understand the impact of nanomaterials on human health, an appropriate analytical approach for their physico-chemical characterization needs to be applied. This is a very challenging issue due to the lack of standardized procedures and the low number of validated methods.

The presentation will cover the most important aspects to be considered in defining safety of nanomaterials, and the development of a multi-step testing protocol for nanomaterial characterization.